

# DVD-PLAYER

# GERMIG

**GDP 3564**



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# DVD PLAYER GDP 3564

## Special features of your DVD player



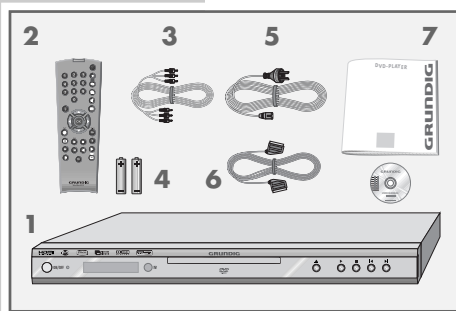
Your DVD player provides you with perfect digital video playback of studio quality.

It also provides superb cinema-quality audio playback – in stereo or with digital multi-channel sound – depending on the type of DVD and the audio system or stereo television.

Other features of DVD video include the choice of audio channel and language, choice of subtitle language, and various camera recording angles. Your DVD player is suitable for DVDs with regional code 4.

As well as DVDs, Nero Digital™-CDs, DivX®-Video-CDs, MP3 CDs, JPEG coded (photo) CDs, KODAK Picture CDs, WMA CDs, Video CDs, S Video-CDs and audio CDs can also be played back.

## Scope of delivery



- 1 DVD Player GDP 3564
- 2 Remote control
- 3 Cinch cables (audio and video)
- 4 2 Batteries, 1.5 V, type AA
- 5 Power cord
- 6 EURO-AV (Scart) cable
- 7 Operating manual

## Disc formats

Your DVD player can play back CD R, CD RW, VCD 2.0, Super VCD, DVD R, DVD RW discs.

Due to the difference in quality of the recording media and the quality of the recording itself, it can occasionally happen that a home-made DVD or CD cannot be read. This does not indicate a malfunction of the DVD player.

You have to finalise your own CD-R, CD-RW and DVD-ROM recordings.

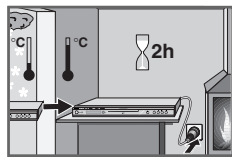
Make sure the settings of your CD burning program correspond to the ISO 9660 standard to create a CD R or CD RW.

When MP3 or JPEG CDs are played back, individual tracks/pictures may be skipped or incorrectly played back/ displayed. This can be due to the disc configuration, the encoder software or the hardware used for the recording.

Audio CDs (CD-DA) meet the specification and bear the corresponding logo. Copy-protected CDs do not meet this specification and do not bear the corresponding logo. These CDs can cause playback errors.



## SET-UP AND SAFETY

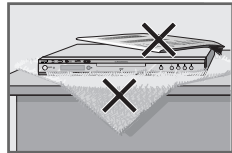


Please note the following information when setting up your DVD player:

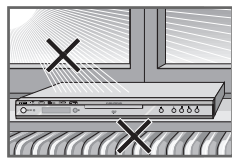
This DVD player is designed to play video and audio signals from compact discs (DVD and CD).

Any other use is expressly prohibited.

If the DVD player is subject to a sudden change in temperature, for example if it is brought in from the cold to a warm room, connect it to the mains supply and let it stand for at least two hours before you insert a DVD.



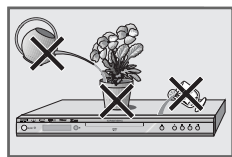
The DVD player is designed for use in dry rooms. If you do use it in the open, please ensure that it is protected from moisture, such as rain or water splashes.



Place the DVD player on a hard, level surface. Do not place any objects such as newspapers on the DVD player or any cloth or similar articles underneath it.

Do not place the DVD player directly on top of an AV receiver or a subwoofer. The laser optics are sensitive to temperature and shocks.

Do not place the DVD player close to heating units or in direct sunlight, as this will impair cooling.

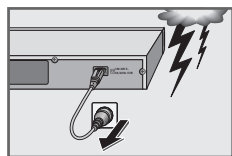


Do not insert foreign objects in the disc compartment of the DVD player.

Never open the DVD player casing under any circumstances.

Warranty claims are excluded for damage resulting from improper handling.

Do not place any vessels filled with liquid, such as vases, on the DVD player, as they may spill liquid, thus presenting a safety risk.



Thunderstorms are a danger to all electrical devices. Even if the DVD player is switched off, it can be damaged by a lightning strike to the mains. Always remove the mains plug during an electrical storm.

If the DVD player cannot scan DVDs or CDs perfectly, use a commercially available cleaning-CD to clean the laser optics. Other cleaning methods may damage the laser optics.

Always keep the disc compartment closed to prevent dust from collecting on the laser optics.



This DVD player is designed to the highest technological and environmental standards. Only environmentally-friendly, high-quality materials have been used. The batteries included contain no mercury or cadmium.

The range of materials used has been deliberately restricted and all the larger plastic parts have been labelled. This DVD player is designed so that it can be easily disassembled to aid servicing and recycling.

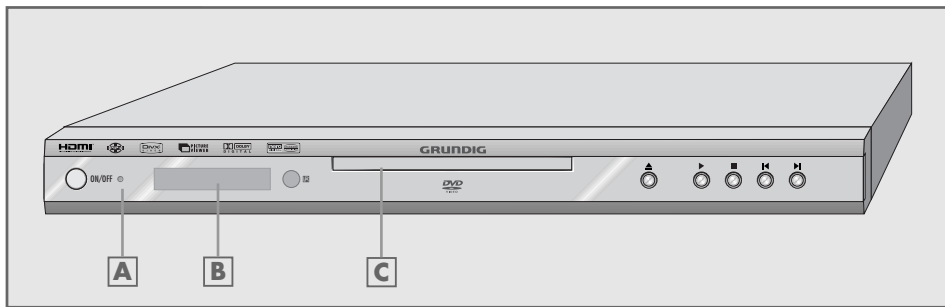
### Note:

Do not connect any other equipment while the device is switched on. Switch off the other equipment as well before connecting it.

Only plug the device into the mains socket after you have connected the external devices.

# OVERVIEW

## The front of the DVD player



### ON/OFF

Switches the DVD player to stand-by and off again. Switching off the DVD player does not mean it is disconnected from the mains.

**A**

Stand-by indicator.

**B**

Display.

**C**

Compartment for DVDs/CDs.



Opens and closes the disc compartment.



Starts playback.



Press once to activate the "RESUME" function. Press twice to switch to "STOP".



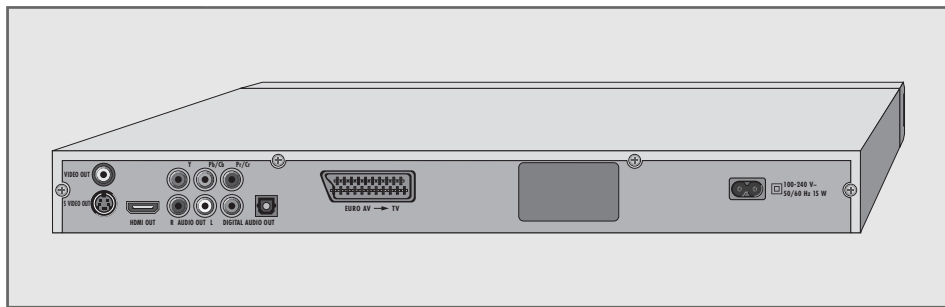
Selects the previous track or section during playback.



Selects the next track or section during playback.

# OVERVIEW

## The back of the DVD player



### VIDEO OUT

Video output socket, for connecting a television or AV receiver with a cinch socket.

### S VIDEO OUT

Video output socket, for connecting a television or AV receiver with an S video socket.

### Y Pb/Cb Pr/Cr

Video output socket for connecting a television, flat screen or projector (YUV standard).

### R AUDIO OUT L

Audio output sockets, (right/left analogue channel) for connecting an audio system.

### HDMI

Video/audio output socket (digital signal) for connecting to a television, flat screen or projector.

### DIGITAL AUDIO OUT

Audio output socket (coaxial) for PCM/Dolby digital/ DTS signals.  
Audio output socket (optical) for PCM/Dolby digital/ DTS signals.  
For connecting a digital multi-channel audio video amplifier or AV receiver.

### EURO AV → TV

EURO-AV socket, for connecting a television with an EURO-AV socket.

### 100-240 V~

Socket for the power cord.

### 50/60Hz 15W

#### Caution:













Do not connect any devices while the DVD player is switched on. Switch off the other device as well before connecting it.

Never touch the inside of the sockets and plugs of the connecting cables.  
An electrostatic discharge can damage the DVD player.

# OVERVIEW

## The remote control













-  Switches the DVD player on from stand-by mode and off again.
-  **1 ... 0** Numeric keys for various inputs.
-  Zooms in on scenes during playback.
-  During playback, switches between various REPEAT functions. Press and hold: Activates the A-B REPEAT function.  
When stopped: For programming a playback list for the inserted medium.
-  Selects various camera angles\* for certain scenes or passages on the DVD during playback.  
Selects the RANDOM PLAY function in STOP mode.
-  Mutes the sound on a GRUNDIG television.
-  Switches up one menu level;  
When stopped: switches the picture signal between "Interlace mode", "S-Video", "RGB" and "Progressive".
-  **i** Calls up the main menu (player menu) of the DVD player.
-  **▲ ▼ ◀ ▶** Select various functions in the menus.
-  **OK** Displays various information on the television screen during playback, such as the title or chapter number and playing time.  
Confirms selected functions in the menus.
-  **Ⓢ** Opens up the disc menu\* of a DVD during playback. Switches playback control (PBC) on/off (VCD/S-VCD).
-  **Title** Calls up the DVD title menu\* during playback.



# OVERVIEW



-  During playback, for marking scenes on the DVD. When stopped: Activates the search function (GO TO).
-  Freeze-frame for DVDs, DivX® Video-CDs and Nero Digital™-CDs and video CDs; pause for audio CDs and MP3 CDs. Hold down to switch to slow motion (DVD).
-  Interrupts all drive mechanism functions.
-  Switches the DVD player on from standby mode. Starts playback.
-  Selects the previous chapter or section during playback.
-  Selects the next chapter or section during playback.
-  During playback, switches the video search backwards at different speeds. Selects reverse slow motion when paused.
-  During playback, switches the video search forwards at different speeds. Selects forward slow motion when paused.
-  Switches between the original and the dubbed language\* during DVD playback. Switches between the various sound formats.
- TV** Switches the remote controller between controlling your DVD player and controlling your GRUNDIG television. The possibilities of this are described on page 44.
-  For selecting and displaying subtitles\* of the DVD during playback. when stopped: Switches between the DVI modes (576P, 720P, 1080i).

\* Depends on the DVD in use

# CONNECTION AND PREPARATION

## Note:

Do not connect any other equipment while the device is switched on. Switch off the other equipment as well before connecting it. Only plug the device into the mains socket after you have connected the external devices.

## Connecting a television or flat screen

You have four options, depending on the sockets you have on your television or flat screen:

- Connection to the HDMI socket provides digital picture quality.
- You get the best picture quality by making the connection at the EURO-AV socket using a fully assigned EURO-AV cable.
- Connection via the cinch sockets Y, Pb/Cb and Pr/Cr (picture signals) and the AUDIO OUT cinch sockets (sound signals). This connection (Progressive Scan) can also be used for projectors.
- The standard connection for many devices, and one which provides good quality, is via the S-VIDEO OUT socket and the AUDIO OUT cinch sockets.
- The simplest option which still offers sufficient quality is connecting to the video socket and the audio sockets with a cinch cable.

## Necessary adjustments to the television or the flat screen

After you have made the connections at the selected output sockets, you must activate them. The setting procedure is described in the "Selecting the video output socket (EURO AV/RGB or S-video)" section on page 18.

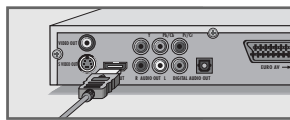
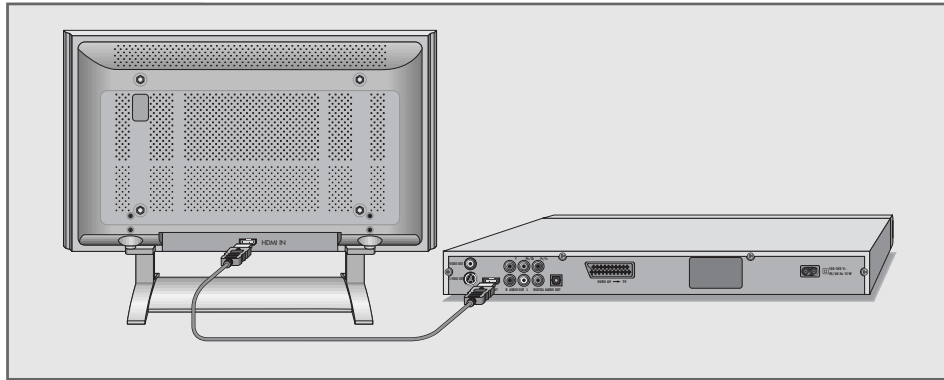
If the DVD player is connected to a television set or a flat screen with a 16:9 format, observe the settings described in the "Selecting the television format" section on page 19.

The colour standard of the DVD player must be matched to the colour standard of your television or flat screen. The setting procedure is described in the section "Setting the TV system (TV norm)" on page 17.

Connect the »**EURO AV → TV**« socket directly to the television or the flat screen, and not indirectly via a video recorder. This can cause difficulties when playing back copy-protected DVDs/CDs.

# CONNECTION AND PREPARATION

## Connecting with an HDMI cable\* (digital audio/video signal)



- 1 Plug a standard HDMI cable into the »HDMI« socket of the DVD player and into the corresponding socket of the television or flat screen (audio/video signal).

### Note:

Only for testing, open the disc compartment with »▲« on the DVD Player and enter »3308« with the numeric keys »1 ... 0« on the remote control to switch the HDMI output to ON or OFF mode.

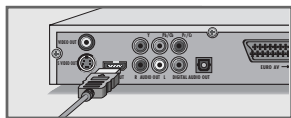
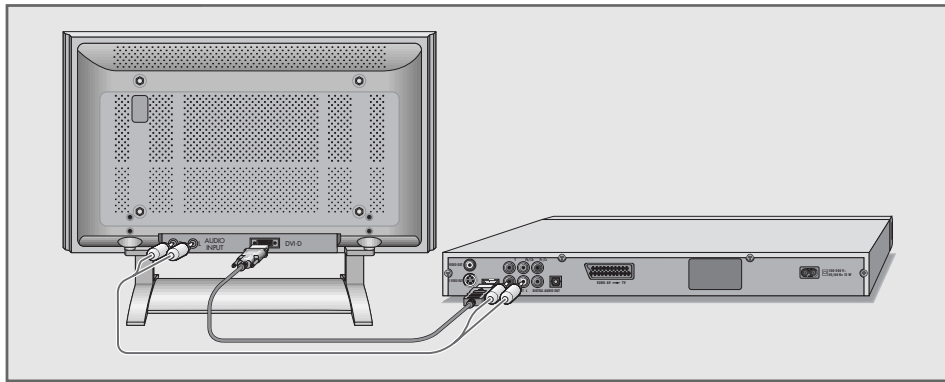
### Note:

Many televisions or flat screens don't have a decoder for AC3 or DTS integrated. In this case please open the »Sound« menu and switch the digital output of the DVD player to PCM.

\*HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."

# CONNECTION AND PREPARATION

## Connecting with an adapter cable HDMI to DVI

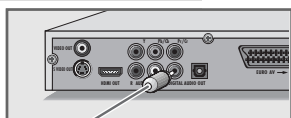


- 1 Plug a standard adapter cable into the »HDMI« socket of the DVD player and into the corresponding socket of the television or flat screen (digital video signal).



- 2 Plug standard cinch cables into the »R AUDIO OUT L« sockets of the DVD player and the appropriate sockets (AUDIO IN) on the television or flat screen (audio signal);

or



plug a standard cinch cable into the »DIGITAL AUDIO OUT« socket on the DVD player and into the appropriate socket on the digital multi-channel amplifier (audio signal);

or



remove the protective cap of the optical digital output and plug an optical digital cable into the digital output »DIGITAL AUDIO OUT« of the DVD player and into the corresponding socket of the digital multi-channel amplifier (audio signal).

### Notes:

Keep the protective cap in a safe place and put it back in place on the device if it is not to be used for a longer period of time.

# CONNECTION AND PREPARATION

## Connecting with a cinch cable (progressive scan)


### Caution:

This connection results in the transmission of video signals in a high frequency range. Before you first switch on the device, please check whether your television, flat screen or projector is suitable for this use.

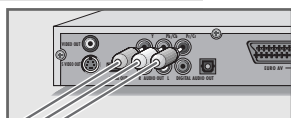
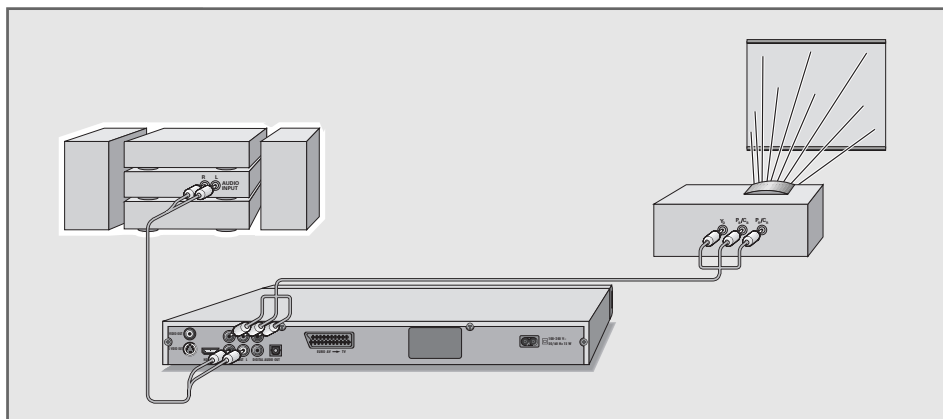
GRUNDIG accepts no liability for damage resulting from failure to observe this.

### Notes:

If you connect the DVD player using the »Y«, »Pb/Cb« and »Pr/Cr« sockets you have to carry out the setting described in the "Selecting the video output socket" section on page 18.

Then you can use the »« button to select whether the video signal is provided in progressive mode or interlace mode.

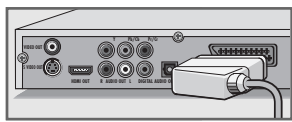
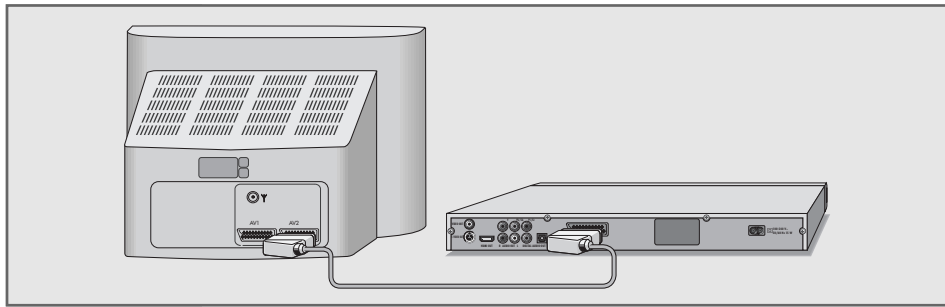
Depending on the model of television, flat screen or projector, you have to activate the relevant input sockets on the device.



- 1 Plug standard cinch cables into the »Y«, »Pb/Cb« and »Pr/Cr« sockets on the DVD player and into the corresponding socket (VIDEO IN or COMPONENT Y Pb/Cb Pr/Cr) on the television, flat screen or projector.
- 2 Plug standard cinch cables into the »R AUDIO OUT L« sockets of the DVD player and into the appropriate sockets (AUDIO IN) on the television, flat screen or projector.

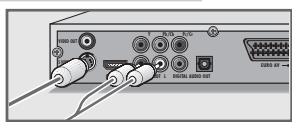
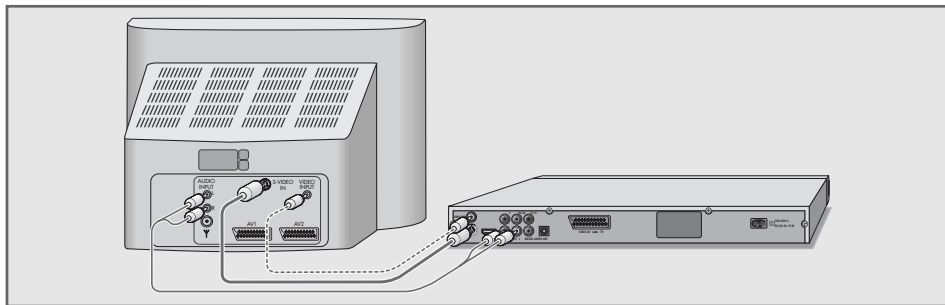
# CONNECTION AND PREPARATION

## Connection using a EURO-AV (Scart) cable



- 1 Plug the EURO-AV cable supplied into the »**EURO AV** → TV« socket of the DVD player and into the corresponding socket of the television or flat screen.

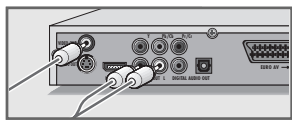
## Connection using a Y/C (S-VIDEO) cable or a cinch cable (picture signal) and a cinch cable (audio signal)



- 1 Plug a standard Y/C cable into the »**S VIDEO OUT**« socket of the DVD player and into the corresponding socket (S VIDEO IN) of the television or flat screen;

or

plug the cinch cable supplied into the »**VIDEO OUT**« socket on the DVD player and the corresponding socket (VIDEO IN) on the television or flat screen.

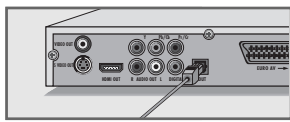
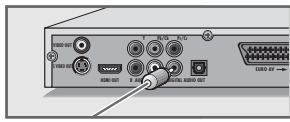
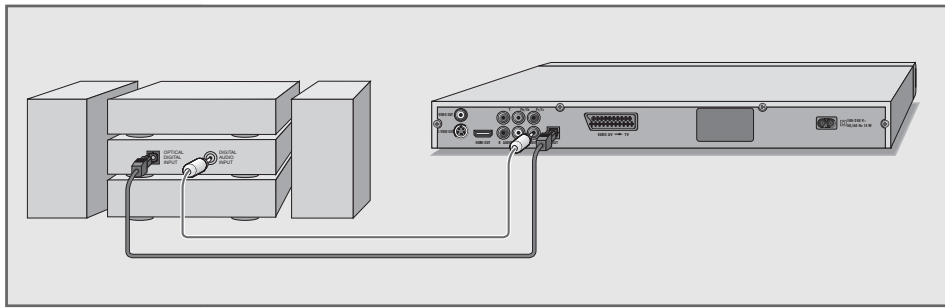


- 2 Plug the cinch cables supplied into the »**R AUDIO OUT L**« sockets of the DVD player and the appropriate sockets (AUDIO IN) on the television or flat screen.

# CONNECTION AND PREPARATION

## Connecting a multi-channel amplifier or digital two-channel audio system

The digital multi-channel sound of a DVD can best be decoded and played back with a multi-channel audio/video amplifier (Dolby® digital decoder or DTS®).



- 1 Plug a standard cinch cable into the »**DIGITAL AUDIO OUT**« socket on the DVD player and into the appropriate socket on the digital multi-channel amplifier;

or

remove the protective cap of the optical digital output and plug an optical digital cable into the digital output »**DIGITAL AUDIO OUT**« of the DVD player and into the corresponding socket of the digital multi-channel amplifier.

### Notes:

Keep the protective cap in a safe place and put it back in place on the device if it is not to be used for a longer period of time.

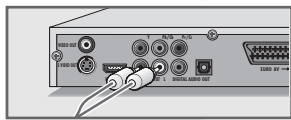
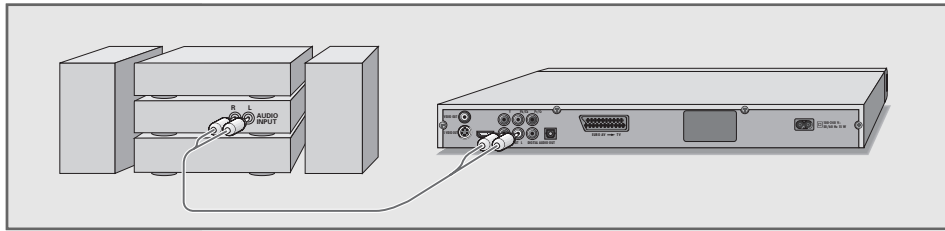
Even if you are using a digital connection, you should still make an analogue audio connection as it is possible, depending on the disc type, that no signal can be output via the »**DIGITAL AUDIO OUT**« socket (For the connection, see page 14).

\* Manufactured under licence from Dolby Laboratories Licensing Corporation. "Dolby", "Dolby Pro Logic", "Dolby Digital" and the double-D symbol "DD" are trademarks of the Dolby Laboratories Licensing Corporation. Copyright 1992 Dolby Laboratories, Inc. All rights reserved.

\*\* DTS and DTS Digital Out are trademarks of Digital Theatre Systems, Inc. All rights reserved.

## CONNECTION AND PREPARATION

### Connecting an audio system with analogue two-channel stereo sound

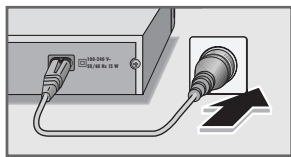


- 1 Plug a standard cinch cable into the »R AUDIO OUT L« socket of the DVD player and into the corresponding socket on the audio system.

#### Caution:

Do not connect the »R AUDIO OUT L« socket on the DVD player to the PHONO (record player) input socket on the audio system.

### Connecting the power cord

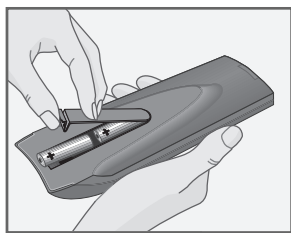


- 1 Plug the mains cable supplied into the »100-240 V~« socket on the back of the DVD player.
- 2 Plug the mains cable into the wall socket.

#### Note:

Only plug the device into the mains socket after you have connected the external devices.

### Inserting batteries in the remote control



- 1 Open the battery compartment by pressing the snap-catch, and remove the lid.
- 2 When inserting the batteries (Micro type, e.g. R06 or AA, 2 x 1.5 V), observe the polarity marked on the battery compartment.
- 3 Close the battery compartment.

#### Note:

If the DVD player no longer reacts properly to remote control commands, the batteries may be flat. Be sure to remove used batteries. The manufacturer accepts no liability for damage resulting from leaking batteries.

#### Environmental note:

Batteries, including those which contain no heavy metal, may not be disposed of with household waste. Please dispose of used batteries in an environmentally sound manner. Find out about the legal regulations which apply in your area.




# GETTING STARTED

## Switching on the DVD player

- 1 Switch on the DVD player by pressing »ON/OFF« on the device.

### Notes:

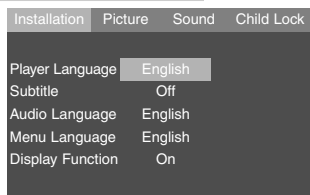
The DVD player must be in stop mode for the following settings. All settings which are made via the main menu are then only activated if they have been ended beforehand using »i«.

If the television has been connected to the »S-VIDEO OUT« socket, no picture will appear. Keep pressing »« until the picture appears.

The video output is set to »S-Video«.

## Selecting the language of the screen menus

You can choose between various menu languages. The preset setting is »English«.



- 1 Call up the main menu with »i«.
- 2 Activate the »Installation« menu item with »OK«.
  - The current menu language is displayed against a blue background in the »Player Language« line.
- 3 Select the menu language you require by pressing »OK« repeatedly.
- 4 Press »i« to conclude the setting.

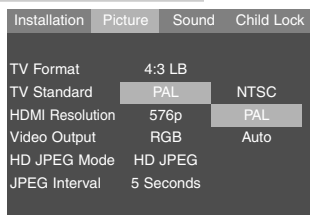
## Adapting the DVD player to the television set







### Setting the TV standard

The colour norm of the DVD player's screen menus has to be adapted to the format of your television or flat screen.

Select »NTSC« for televisions with the NTSC standard, or »PAL« for those with the PAL standard. Factory setting is »PAL«.

Select »Auto« for televisions with multi-norm, and the TV norm follows that on the disc.



- 1 Call up the main menu with »i«.
- 2 Select the »Picture« menu item with »« or »« and activate with »OK«.
- 3 Select the »TV standard« line with »« or »« and activate with »OK«.
- 4 Select the desired setting (»NTSC«, »PAL« or »Auto«) with »« or »« and confirm with »OK«.
- 5 Press »i« to conclude the setting.

## GETTING STARTED

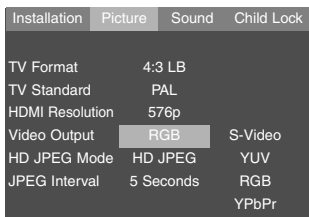
### Selecting the video output socket (EURO AV/RGB or S-Video)

The video output of your DVD player has been set at the factory to »RGB«.

When you connect your DVD-Player to the television, flat screen or projector using a Y/C cable (»S-VIDEO OUT« socket on the DVD player) or using a cinch cable (»Y«, »Pb/Cb« and »Pr/Cr« sockets on the DVD player), you will need to set the video output for the video signal and the image to be relayed to the television.

#### Notes:

If you cannot see the settings menu, connect the »VIDEO OUT« socket on the DVD player to the corresponding socket (VIDEO IN) on the television using a cinch cable.



- 1 Call up the main menu with »i«.
- 2 Select the »Picture« menu item with »◀« or »▶« and activate with »OK«.
- 3 Select »Video output« with »▼« or »▲« and activate with »OK«.
- 4 Select the desired video output with »▼« or »▲« and confirm with »OK«.
  - »S-Video« for the »S-VIDEO OUT« socket;
  - »YUV« for the »EURO AV → TV« socket;
  - »RGB« for the »EURO AV → TV« socket;
  - »YPbPr« for the »Y«, »Pb/Cb« and »Pr/Cr« sockets.
- 5 Press »i« to conclude the setting.

#### Notes:

If the television has been connected to the »S-VIDEO OUT« socket, no picture will appear. Keep pressing »◀« until the picture appears.

The video output is set to »S-Video«.

# GETTING STARTED

## Adjusting the HDMI resolution

The ideal setting for the connected flat screen or projector can be adjusted here. The abbreviation behind the number means: »p« = Progressive, »i« = Interlace.

Installation	Picture	Sound	Child Lock
TV Format	4:3 LB		
TV Standard	PAL		
HDMI Resolution	576p	720p	
Video Output	RGB	1080i	
HD JPEG Mode	HD JPEG	576p	
JPEG Interval	5 Seconds		

- 1 Call up the main menu with »i«.
- 2 Select »Picture« with »◀« or »▶« and press »OK« to confirm.
- 3 Select »HDMI Resolution« with »▼« or »▲« and activate with »OK«.
- 4 Select the required settings (»720p«, »1080i« oder »576p«) with »▼« or »▲« and confirm with »OK«.
- 5 Press »i« to finish the setting.

## Selecting the screen format of your television set

This setting depends on your television or flat screen, and on the information on the DVD.

If you have a 4:3 format television or flat screen, the following settings are available:

4:3 PS (Pan&Scan) for wide-screen playback, where the left and right edges of the picture are cropped off (depending on the DVD in use);

or 4:3 LB (Letterbox) for wide-screen playback with black bars at the top and bottom edges of the television screen. The device is set to 4:3 LB at the factory.

If you have a 16:9 format television or flat screen, select the 16:9 setting.

Installation	Picture	Sound	Child Lock
TV Format	4:3 LB	4:3 PS	
TV Standard	PAL	4:3 LB	
HDMI Resolution	576p	16:9	
Video Output	RGB		
HD JPEG Mode	HD JPEG		
JPEG Interval	5 Seconds		

- 1 Call up the main menu with »i«.
- 2 Select the »Picture« menu item with »◀« or »▶« and activate with »OK«.
- 3 Select »TV Format« with »▼« or »▲« and activate with »OK«.
- 4 Select the desired picture format (»4:3 PS«, »4:3 LB« or »16:9«) with »▼« or »▲« and confirm with »OK«.
- 5 Press »i« to conclude the setting.

## BEFORE PLAYBACK

### Preparation

- 1 Switch on the television and select the preset channel for the DVD player.
- 2 If an audio system or an AV receiver is connected to the DVD player, switch it on and select the audio input for the DVD player.
- 3 Switch on the DVD player by pressing »ON/OFF« on the device.  
– Display on the DVD player »DVD«, on the television – »No Disc«.

No Disc

▲ Open

▲ Close

⌚ Loading....

Play ▶



▲ Open

### Inserting a disc

- 1 Press »▲« on the DVD player, or press and hold down »■« on the remote control.  
– Display on the DVD player »OPEN«, on the television »▲ Open«, the disc drawer opens.
- 2 Insert the disc you want to play in the disc compartment with the label facing upwards.
- 3 Press »▲« on the DVD player, or press and hold down »■« on the remote control.  
– Display on the DVD player »CLOSE«, on the television »▲ Close«, the disc drawer closes, afterwards the »LOAD« display flashes (Display on the television »⌚ Loading«), the disc is scanned.  
– Display: the elapsed playing time of the title.

#### Notes:

Playback of the disc starts automatically.

If the »⊘« symbol appears on the television screen, the selected function is not possible with this disc.

### Removing discs

- 1 Press »▲« on the DVD player, or press and hold down »■« on the remote control.  
– Display on the DVD player »OPEN«, on the television »▲ Open«, the disc drawer opens.



# DVD PLAYBACK

## DVD features

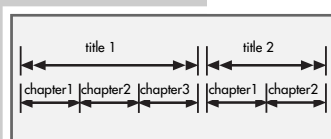
You can recognise a DVD by the logo on the label.

Depending on the content of the DVD, the discs contain one or more titles.

Each title may contain one or more chapters. Titles and chapters can be selected easily and conveniently.

You can control and direct playback of a DVD using the menu of the DVD player on the television screen.

## Special DVD features



DVDs have a title menu which provides an overview of the available titles and the passages they contain.

Some of the DVD player's functions, such as slow motion, freeze-frame and auto-play, can also be controlled by the DVD itself. It is therefore possible that the freeze-frame function, for example, cannot be selected during certain scenes.

Many DVDs have audio tracks recorded in up to eight languages. This enables you to select the language you prefer.

Many DVDs are recorded by the manufacturer with subtitles in several languages. You can select subtitles from up to 32 different languages.

Since films are released in different parts of the world at different times, all DVD players world-wide are given a regional code. The regional code for your DVD player is 4.

DVDs may also be given a supplementary regional code. If you insert a DVD with a code different to that of the DVD player, a reference to the regional code appears on the television screen. The DVD player will not be able to play back the DVD.

If the DVD player is unable to read the DVD, the following message appears: Files cannot be played.

### Notes:

If a DVD is not authorised, the coded rating of the access level (»1« ... »7«) must be changed (see the »Authorising the content of the DVD« chapter on page 40).

If the »⊗« symbol appears on the television screen, then the selected function is not possible with this DVD.



▶ Play

⏸ Pause

■ Stop

Time --:--:--

Title/Chapter --- / ---

Title/Chapter --- / ---

# DVD PLAYBACK

## DVD playback

- 1 After the disc compartment closes and the DVD is scanned, playback starts automatically.
- 2 To pause playback (freeze-frame), press »⏸«.
- 3 Press »▶« to resume playback.
- 4 End playback with »■« (press twice).

## Selecting titles or chapters ...

If a DVD contains several titles and/or chapters, you can select them.

### ... using the menu of the DVD player

The menu of the DVD may contain selection options for titles, sections or scenes. Depending on the DVD, the menu can be called up with »⊙« or »Title«.

- 1 Call up the contents of the DVD by pressing »⊙« or »Title« during playback.  
– If the DVD has a title menu it will appear on the screen.
- 2 Select the tracks and sections with »▲«, »▼«, »◀« or »▶« and call them up with »OK« or start playback with »▶«.

### ... using the GOTO function of the DVD player

- 1 In stop mode, press »⏏« to display the Info line.  
– Display »Time« and »Title/Chapter«.
- 2 Enter the time with »1 ... 0« and confirm with »OK«.  
– The DVD player searches for the selected time of the disc.  
– The DVD player searches for the time on the disc;

or

move the bookmark to the title with »▶«, enter the desired title with »1 ... 0« and confirm with »OK«;

or

move the bookmark to the chapter with »▶«, enter the desired chapter with »1 ... 0« and confirm with »OK«.  
– Playback starts with the selected chapter in the current title.

 Next

 Back

 Stop ▶ resume

 Play

 Stop

## DVD PLAYBACK

### Selecting a chapter directly





- 1 To select the next chapter, press »▶« during playback.
- 2 To select the previous chapter, press »▶« during playback.  
– The DVD player locates the chapter and starts playback.

### Calling up information

You can call up information on the title, chapter and playing time for display on the screen.

- 1 Press »OK« to see the Info line.  
– Display:
 

00:00:05	Playing time
01:31:55	Remaining playing time
- 2 To call up further information press »OK« again.  
– Display:
 

DVD	Type of disc
Title 1/2	Current title and available title
Chapter 33/45	Current chapter and chapters available
Sound  1/3 	Current playback language is English
1 Ch Eng	Camera angles available (4 in this example)
Angle  2/4	Subtitles are switched off
Subtitle  Off	Bitrate
Bitrate 6400Mbps	
- 3 Press »OK« to conceal the Info line.

### Interrupting/resuming playback (resume)

The playback of a DVD can be interrupted at any point and then resumed from the same place.

- 1 Interrupt playback by pressing »■« once.
- 2 Resume playback at the point where you stopped it with »▶«.

### Ending playback



































You can stop playback at any time, by pressing »■« twice.





## DVD PLAYBACK

### Enlarging the picture and moving screen sections (Zoom)

- 1 During playback or pause, press »

# DVD PLAYBACK

## Repeat functions

### Repeating a selected scene (A-B Repeat)

You can mark the start and end of a scene, this is then played back repeatedly.

- 1 During playback, mark the beginning of the scene by pressing and holding »↶«.  
– Display: »Rep A –«.
- 2 Press and hold »↷« again to mark the end of the scene.  
– Display: »Rep A – B«, the scene is now played back repeatedly.
- 3 Press and hold »↶« again to quit the function.  
– Display: »Off«.

### Repeating a chapter or title

These functions repeat the chapter currently playing or the entire title.

- 1 Press »↶« during playback.  
– The current repeat function is displayed.
- 2 Keep pressing »↶« to select:  
– »Repeat chapter«, »Repeat title«, quit function (display: »Off«).

## Selecting and playing scenes

You can make a bookmark for three scenes on a DVD. These bookmarks can be selected directly for playback.

You can set three bookmarks per DVD

### Setting bookmarks

- 1 Press »↶« during playback.  
– Display: »Bookmark 1«.
- 2 Press »OK« to mark the scene and press »OK« to end the entry.

#### Notes:

Press »▼« or »▲« to select bookmark 1, 2 or 3.

To delete the bookmark, press »↶« to select it and then »↵« to delete it.

### Playing bookmarked scenes

- 1 During playback, press »↶«, select the bookmark with »▼« or »▲« and press »OK« to confirm.  
– Playback starts at the point marked.

Rep A –

Rep A – B

Off

Repeat chapter

Repeat title

Off

Bookmark 1 --:--:--

Bookmark 2 --:--:--



# S-VCD/VCD PLAYBACK

## S-VCD/VCD features

You can recognise S-VCD/VCDs (video CDs) by the logo on the label.

Depending on the contents of the S-VCD/VCD (films, music videos etc.), the discs may carry one or more tracks.

Like audio CDs, S-VCDs/VCDs have a track structure.

S-VCDs/VCDs can be created using the PBC (playback control) system for track navigation. This depends on the processing and burning software used.

You can control and direct playback of the S-VCD/VCD using the menu of the DVD player on the television screen.

You cannot select some of the functions on the DVD player (slow motion, camera angle, marking scenes) when you are playing an S-VCD/VCD. This depends on how the S-VCD/VCD was created.

Depending on how they were created, S-VCDs can have various subtitles and dubbed languages.

## PBC (playback control)

PBC is a navigation option for S-VCD/VCDs. PBC information is burned onto the disc when it is made. PBC uses a playlist structure in the menu on the S-VCD/VCD.

PBC is activated by default on delivery. PBC and the program info on the S-VCD/VCD predetermine the navigation options. If the disc has PBC, »PBC« appears in the display of the DVD player.

If PBC is not available, the S-VCD/VCD behaves like an audio CD as regards navigation (with a track structure). You can select tracks with »1 ... 0« or »|« or »|« start playback using »▶« and end playback with »■« (press twice).

## Switching PBC (playback control) on/off

- 1 To deactivate the PBC function, press »⊙« twice during playback.  
– Display: »PBC Off«.
- 2 To activate the PBC function, press »⊙« twice during playback.  
– Display: »PBC On«.

PBC Off

PBC On

# S-VCD/VCD PLAYBACK

## Playing back a track

- 1 After the disc compartment closes and the S-VCD/VCD is scanned, playback starts automatically.
- 2 To pause playback (freeze-frame), press »||«.
- 3 Press »||« repeatedly to switch through individual frames.
- 4 Press »▶« to resume playback.
- 5 End playback with »■« (press twice).

## Selecting a track

If an S-VCD/VCD has several tracks, you can select them even if the PBC function is switched off. If an S-VCD/VCD has several tracks, you can see them in the info line.

- 1 Select the desired track directly using »1 ... 0«;  
or  
select the track step-by-step with »|« or »▶«.

## Frame search

Several different speeds are available.

- 1 Select the desired playback speed during playback with »|« or »▶«.
- 2 To return to playback press »▶«.

## Ending playback

You can stop playback at any time, by pressing »■« twice.

▶ Play

|| Pause

Step ||▶

■ Stop

▶▶ Next

▶▶ x 2

■ Stop

## PLAYBACK AUDIO/VIDEO FILES

### Features of the Nero Digital™ CD

Nero Digital™ is the ideal solution for video and audio codecs.

Codecs are required for processing and playing audio and video files. The Nero Digital™ codec allows you to save all the audio and video material on a DVD on a normal data CD – with no perceptible loss in quality.

The audio and video codecs of Nero Digital™ are based entirely on the industry standard MPEG-4 Video ISO 14496-2 and MPEG-4 Audio High Efficiency AAC and Parametric Stereo AAC.

Nero Digital™ files have the extension .MP4.

Nero Digital™ files can contain a video track, up to 8 audio tracks and up to 32 overlay tracks (e.g. subtitles).

To create Nero Digital™ files you need the “Nero Recode” or “Nero Vision Express” software. You can find out more about Nero Digital™ at [www.nerodigital.com](http://www.nerodigital.com).

### Features of the DivX®VIDEO CD

DivX®Video is an encoder/decoder, based on the MPEG-4 compression system, which is used to encrypt and display compressed video data.

This enables the DVD player to play back videos compressed in the DivX® format. This results in playback quality with less artefacts and higher compression.

DivX®video files have the suffix .AVI. DivX®Video data are packed into the AVI file along with audio data which is compressed as MP3 data, this means:

DivX®Video and MP3 audio form the AVI file.

Further information on DivX®Video and how to create AVI files can be found under [www.DivX Networks.de](http://www.DivX Networks.de).

You can see the registration code in the »Child Lock« → »DivX Registration« menu on page 42.





## PLAYBACK AUDIO/VIDEO FILES

### Features of the MP3 CD

MP3 stands for MPEG-1 Audio Layer 3 and arises from the Motion Picture Expert Group (MPEG) Standard which was developed for compressing film data.

The MP3 format enables audio files to be saved on a computer with a sound quality similar to that of a CD. This only requires approx. 10% of the original data quantity. The standard encoding byte rate for MP3 files is 128 kbps. Generally, the higher the byte rate of an MP3 file, the better the sound quality.

Most MP3 files in the Internet are encoded at 128 or 160 kbps. 160 kbps is considered CD quality.

MP3 files can be downloaded from the Internet and then burned onto a CD-ROM disc. Your DVD player can read the ID3 tag from the file header, which contains information on title and artist, and display this in the info menu/status display.

MP3 CDs contain sound recordings. They can be played in the normal manner on an audio system. The digital signals transmitted during MP3 playback are PCM coded, regardless of the audio output setting. The signals are output with the same data rate as the music source (possibilities are: 32 kbps – 320 kbps, ideal: 128 kbps).

MP3 files can be organised into folders and subfolders, similar to files within a PC.

## PLAYBACK AUDIO/VIDEO FILES

### Playback

▶ Play

⏸ Pause

▶ Play

DivX 1/10 00:01:20 00:00:48  
 Video Codec DivX 5.x 500x400 25fps  
 Audio Codec 1/1 PCM 48kHz 2Ch

▶▶ Next

◀◀ Back

Random On

- 1 After the disc compartment closes and the data CD is scanned, playback starts automatically.

#### Note:

If you are playing a DivX®Video CD with subtitles the subtitles are displayed before playback.

Select desired subtitles (Subtitle) with »▼« or »▲« and press »OK« to confirm. Playback begins.

- 2 Press »⏸« to interrupt playback (pause).
- 3 Press »▶« to resume playback.
- 4 End playback by pressing »■«.

### Calling up track information

Press »OK« for information on the selected Nero Digital™ or DivX®Video track.

Press »■« to see the contents of the Nero Digital™ oder DivX®Video CD.

Information about the selected MP3 track is displayed constantly in the MP3 menu.

### Selecting the title from the file browser

- 1 Press »■« to end playback.  
– The file browser (table of contents) of the CD is displayed.
- 2 Select the folder or track with »▲«, »▼«, »◀« or »▶«.
- 3 Press »▶« or »OK« to start playback of the track.

### Selecting specific tracks using the number keys

- 1 During playback select the desired track with »1 ... 0« and confirm with »OK«.  
– Playback begins with the selected track.

### Selecting a track in steps (SKIP)\*

- 1 Select the next track by pressing »▶|« during playback.
- 2 Select the previous track by pressing »|◀«.  
– Playback begins with the selected track.

### Random play

- 1 Press »🎲« in stop mode.
- 2 Start random play with »▶|«.
- 3 End playback by pressing »■«.

\* Depends on the DVD in use

## PLAYBACK AUDIO/VIDEO FILES

### Frame search

#### (Nero Digital™/DivX®Video CD only)

You can select different speeds (2-fold, 4-fold, 8-fold and 20-fold forwards and backwards).

- 1 Select the desired playback speed during playback with »◀◀◀◀ or »▶▶▶▶.
- 2 Press »▶◀◀ to resume normal playback.

### Switching freeze frames forwards step-by-step (Nero Digital™/DivX®Video CD only)

- 1 During playback, press »■◀◀.
- 2 Move the freeze frame step by step forwards with »■◀◀.
- 3 Press »▶◀◀ to resume normal playback.

### Enlarging the picture – zoom\*

#### (Nero Digital™/DivX®Video CD only)

This function allows you to enlarge various picture sections.

- 1 During playback or pause, press »[Q]◀.  
– Display: » 1◀, » 2◀, » 3◀ or » 4◀, part of the picture is enlarged.
- 2 Move the picture section around the screen with »◀◀◀, »▶▶▶, »▲◀◀ or »▼◀◀.
- 3 Switch back to “normal” picture size with »[Q]◀.  
– Display: » Off◀.

### Slow motion

#### (Nero Digital™/DivX®Video CD only)

You can choose between different speeds (1/2, 1/4, 1/6, 1/8, forwards).

- 1 During playback, press »■◀◀.
- 2 Select the slow motion speed by pressing »◀◀◀◀ or »▶▶▶▶.
- 3 Press »▶◀◀ to resume normal playback.

▶▶ x 4

◀◀ x 2

|| Pause

Step ||▶

Q 1

Q Off

▶▶ 1/2

▶ Play



## PLAYBACK AUDIO/VIDEO FILES

### Switching the dubbing language or the audio format (Nero Digital™/DivX®Video CD only)

A Nero DIGITAL or DivX®Video CD can contain various dubbing languages or audio formats.

- 1 Press »⏮« during playback.
- 2 Keep pressing »⏮« to select the dubbing language or the audio format.

### Selecting and hiding subtitles (Nero Digital™ only)

- 1 Press »⏮« during playback.
- 2 Keep pressing »⏮« to select the subtitle language.

### Selecting and showing subtitles (DivX®Video CD only)

- 1 Press »⏮« to show subtitles during playback  
or
- 2 To select the subtitles in the subtitle menu, switch to the subtitle menu in file browser with »OK«, select the desired subtitle with »▼« or »▲« and confirm with »OK«. Playback begins.  
– The subtitles are displayed.

### Removing the CD

- 1 Press »▲« on the DVD player;  
or  
press and hold down »■« on the remote control.  
– Display: »▲«, the disc tray opens.

# PICTURE CD PLAYBACK

## Features of the JPEG CD

JPEG stands for Joint Picture Experts Group. This process was designed to compress picture files.

JPEG files can be burned onto a CD along with other file types. Such CDs are known as file CDs or mixed mode CDs. For example, the CD could contain MP3 files (audio) and JPEG files (for example to display album covers).

The files on a JPEG CD can be organised in directories. This structure is similar to that of an MP3 CD.

JPEG CDs only contain data in the compressed JPEG format. This is mostly data from digital cameras or from picture processing programs. The data (pictures) can be displayed individually or in sequence in a slide show.

## Features of the KODAK picture CD

This method was developed for archiving analogue photographs.

After they are developed, small photographs are scanned with a resolution of 1536 x 1024 pixels and burnt onto a CD in JPEG format.

A KODAK picture CD can contain up to 40 pictures. In addition to the picture files, a KODAK picture CD can also contain imaging software which enables the user to play the CD on a PC, edit the pictures or view a slide show.



## Displaying JPEG pictures

- 1 After the disc compartment closes and the JPEG picture CD is scanned, the slide show starts automatically.

### Call up the file browser or inset picture overview

- 1 During playback call up the file browser (table of contents for the JPEG CD) using »■◀.
- 2 Switch to the next or previous page of the inset picture overview using »▶|◀ or »|◀◀.
- 3 Select the desired picture with »▲◀, »▼◀ »◀◀ or »▶◀ and confirm with »OK◀.
  - The JPEG picture appears as a still image on the screen, and after a short while the next picture appears.

#### Note:

To view the picture for longer, press »■◀. Press »▶◀ continue the slide show.

CD-R		1/88	
Birds			
1	029155	6	031507
2	031426	7	031512
3	031490	8	031516
4	031496	9	031529
5	031498	10	031530

|| Pause

▶ Play



# AUDIO CD PLAYBACK

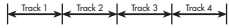
## Features of the Audio CD

An audio CD is identified by this logo.



Audio CDs contain only sound recordings. They can be played in the normal manner on an audio system.

The individual tracks are stored in a sequence. There are no folders.



## Audio CD playback

- 1 Playback starts automatically when a CD is inserted.
  - Playback stops at the end of the CD.
- 2 Press »|||« to interrupt playback (pause).
- 3 Continue playback with »▶«.

## Calling up an info line

The info line is displayed on the television screen.

- 1 Call up the info line during playback, by pressing »OK« once or twice.
  - The info line is displayed.
    - This gives information about the CD: elapsed playing time of the track, remaining playing time and the number of tracks.
- 2 Press »OK« to deactivate the info line.

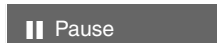
## Selecting a track ...

### ... using the numerical buttons

- 1 Select the desired track using »1 ... 0«.
- Playback begins with the selected track.

### ... step by step (SKIP)

- 1 During playback, select the next track with »▶|«.
- 2 Select the previous track with »|◀«.
- Playback begins with the selected track.



# AUDIO CD PLAYBACK

▶▶ x 4

▶ Play

■ Stop

Rep A –

Rep A – B

Off

Repeat Single

Repeat All

Off

## Fast search

Different speeds are available.

- 1 To select the desired playback speed press »◀◀« or »▶▶« repeatedly during playback.
- 2 To return to playback press »▶«.

## Ending playback

Playback stops automatically at the end of the CD. You can stop playback at any time by pressing »■« twice.

## Random play

- 1 During stop mode, press »🎲«.
- 2 Start random play with »▶«.
- 3 End playback by pressing »■«.

## Repeat functions

### Repeating a selected section (A-B Repeat)

You can mark a section of a particular track which is then played back repeatedly.

- 1 During playback, mark the beginning of the section by pressing and holding »↶«.  
– Display: »Rep A –«.
- 2 Press and hold »↷« again to mark the end of the section.  
– Display: »Rep A – B«, the section is now played back repeatedly.
- 3 Press and hold »↶« again to quit the function.  
– Display: »Off«.

### Repeating a track or a CD

These functions repeat the track currently playing or the entire CD.

- 1 Press »↶« during playback.  
– The current repeat function is displayed.
- 2 Keep pressing »↶« to select:  
– »Repeat Single«, »Repeat All«, quit function (display: »Off«).

## CREATING A PROGRAM

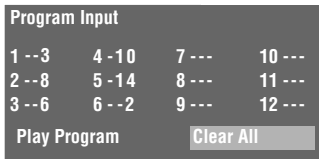
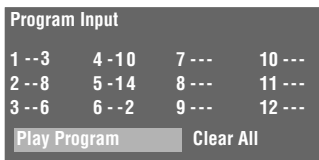
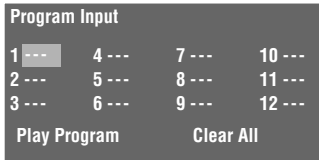
This function enables you to program a playback list for all types of discs. Up to 12 titles, chapters or tracks can be stored.

### Note:

Opening the disc compartment deletes the programme.

### Creating a program

- 1 Insert the DVD, audio CD or picture CD in the disc tray.
- 2 Stop the DVD player by pressing »■«.
- 3 Call up the »Program Input« menu with »↶«.  
– Depending on the type of disc in use the respective program menu appears, item 1 is highlighted.
- 4 Enter the number of the title, chapter or track with »1 ... 0« and confirm with »OK«.
- 5 Select the next item with »◀«, »▶«, »▲« or »▼« and repeat your entry.



### Playing back a program

- 1 To play back the program, select »Play Program« with »◀«, »▶«, »▲« or »▼« and confirm with »OK«.  
– Playback of the program starts.
- 2 Press »■« (only once) to stop playback.

### Deleting a program

- 1 Call up the »Program Input« menu when the device is in stop mode with »↶«.
- 2 Select »Clear All« with »◀«, »▶«, »▲« or »▼« and confirm with »OK«;  
or  
open the CD drawer using »▲«.  
– The program is deleted.

# AUDIO SETTINGS

## Selecting the digital output

Here you select whether the audio signal is emitted from the »DIGITAL AUDIO OUT« sockets in the original data format or in PCM format. The factory setting is »Original«.



- 1 Call up the main menu using »i«.
- 2 Select the »Sound« menu item with »◀« or »▶« and activate with »OK«.
- 3 Select »Digital Output« with »▼« or »▲« and activate with »OK«.
- 4 Select the desired operating type with (»PCM«, »Original« or »Off«) with »▼« or »▲« and confirm with »OK«.
- 5 Press »i« to conclude the setting.

## Setting the sampling rate

This setting is used to adjust the sampling rate of the digital output. The sampling rate indicates how many samples can be read in per time interval.

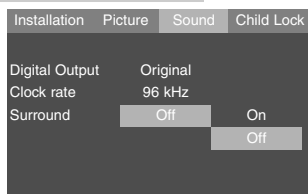
- Use »96 kHz« for DVDs with a 96 kHz audio signal for optimum analogue audio output at the »R AUDIO OUT L« sockets. »96 kHz« is preset at the factory.
- Use »48 kHz« for DVDs with a 48 kHz audio signal. The signal is emitted at the »R AUDIO OUT L« and »DIGITAL AUDIO OUT« sockets.



- 1 Call up the main menu using »i«.
- 2 Select the »Sound« menu item with »◀« or »▶« and activate with »OK«.
- 3 Select »Clock rate « with »▼« or »▲« and activate with »OK«.
- 4 Select the desired value using (»48 kHz« or »96 kHz«) with »▼« or »▲« and confirm with »OK«.
- 5 Press »i« to conclude the setting.

## Switching Virtual Surround on and off

Virtual Surround is a process which appears to provide sound all around the listener via only two loudspeakers.



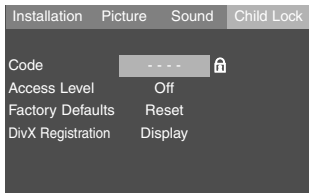
- 1 Call up the main menu using »i«.
- 2 Select the »Sound« menu item with »◀« or »▶« and press »OK« to confirm.
- 3 Select »Surround« with »▼« or »▲« and activate with »OK«.
- 4 Select (»On«) with »▼« or »▲« and press »OK« to confirm.
- 5 Press »i« to finish the setting.

# CHILD LOCK

The child lock enables you to block scenes on DVDs which are not suitable for children or to select alternative scenes. This is done by selecting a certain access level.

## Authorising the contents of a DVD

Films on DVD may be wholly or partially unsuitable for children. These DVDs contain information which marks the corresponding content or scenes. This works with several access levels from »1« to »7« and »Off«. You can select one of the access levels and thereby authorise alternative scenes for playback.



- 1 Call up the main menu using »i«.
- 2 Select the »Child Lock« menu item with »◀« or »▶« and activate with »OK«.
  - The Code line is highlighted in blue.
- 3 Enter your four-digit personal code number with »1...0« and confirm with »OK«.
  - The icon (🔒) opens (🔓).
- 4 Select »Access level« with »▲« or »▼« and activate with »OK«.
- 5 Press »▼« or »▲« to select the access level and »OK« to confirm.
- 6 Enter your four-digit personal code number with »1...0« and confirm with »OK«.
  - The icon (🔓) closes (🔒).
- 7 Press »i« to exit the menu.

### Note:

If you have forgotten your personal code number or lost it, please use the „master code“ listed in the Troubleshooting section on page 46.



# PERSONAL SETTINGS

## Setting the language

- 1 Call up the main menu using »i«.
- 2 Activate the »Installation« menu item with »OK«.  
– The »Installation« menu is displayed.

### Note:

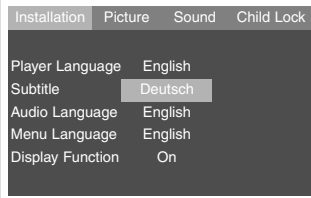
For further operation, see the following sections, each one starting from Step 1.

## Selecting the language for the subtitles

If subtitles are available on the current DVD, they are shown in the language you have selected.

If the selected subtitles are not on the DVD, the first language available is automatically selected.

- 1 Select »Subtitle« using »▼« or »▲«.
- 2 Select the desired language by pressing »OK« repeatedly.

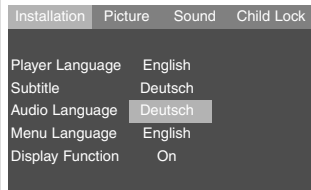


## Selecting the dubbing language

If several languages are available on the current DVD, the sound is played back in the language you have selected.

If the language you select is not on the DVD, the first dubbed language available is automatically selected.

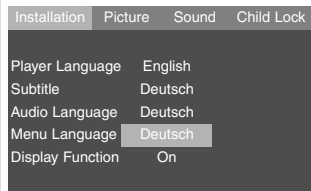
- 1 Select »Audio Language« with »▼« or »▲«.
- 2 Select the dubbed language by pressing »OK« repeatedly.



## Selecting the language of the DVD menus

If the DVD has menus in several languages, you can select your language of choice.

- 1 Select »Menu Language« using »▼« or »▲«.
- 2 Select the language for the DVD menus by pressing »OK« repeatedly.

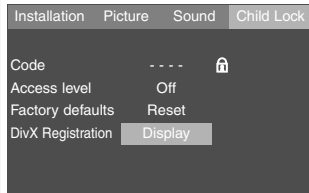


## Concluding the settings

- 1 Press »i« to quit the menu.

# PERSONAL SETTINGS

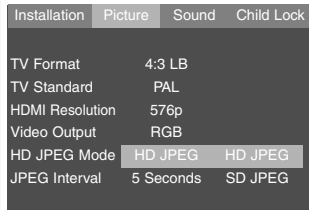
## DivX®VIDEO Registration



- 1 Call up the main menu using »i«.
- 2 Select »Child Lock« with »◀« or »▶« and press »OK« to confirm.
- 3 Select »DIVX Registration« with »▼« or »▲« and activate with »OK«.  
– The menu shows the registration code for the Internet.
- 4 Press »i« to exit the menu.

## Setting the resolution of JPEG pictures

Depending on the connected flat screen or projector you can set the resolution of JPEG pictures



- 1 Call up the main menu using »i«.
- 2 Select »Picture« with »◀« or »▶« and press »OK« to confirm.
- 3 Select »HD JPEG Mode« with »▼« or »▲« and press »OK« to confirm.
- 4 Select resolution with »▼« or »▲« (»HD JPEG« – e.g. 1280x768 or »SD JPEG« – 720x576) and confirm with »OK«.
- 5 Press »i« to finish the setting.

## Selecting the viewing time for a JPEG picture

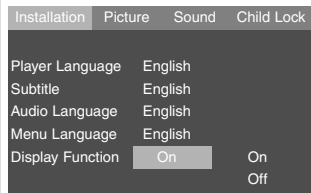


- 1 Call up the main menu using »i«.
- 2 Select »Picture« with »◀« or »▶« and press »OK« to confirm.
- 3 Select »JPEG Interval« with »▼« or »▲« and press »OK« to confirm.
- 4 Press »▼« or »▲« to select the viewing time (5 Seconds, 10 Seconds or 15 Seconds) and press »OK« to confirm.
- 5 Press »i« to finish the setting.

## PERSONAL SETTINGS

### Switching function displays on and off

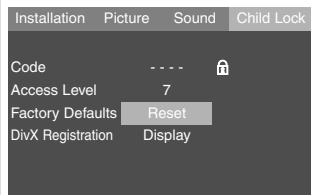
The various displays which inform you about the current operating mode of the DVD player on the screen have been preset to on. You can switch them on and off as required.



- 1 Call up the main menu using »i«.
- 2 Activate the »Installation« menu item with »OK«.
- 3 Select »Display function« with »▼« or »▲«.
- 4 Use »▼« or »▲« to set to »On« or »Off« and confirm with »OK«.
- 5 Press »i« to conclude the setting.

### Resetting the DVD player to its original condition

All custom settings are restored to the original status.



- 1 Call up the main menu using »i«.
- 2 Select the »Child lock« menu item with »◀« or »▶« and activate with »OK«.
- 3 Select »Factory Defaults« with »▼« or »▲«.
- 4 Restore the original settings of the DVD player using »OK«.

### Calling up software information

This function enables you to check the current software status of the DVD player.

- 1 Switch on the DVD player using »ON/OFF« on the device.
- 2 Open the disc compartment by pressing »▲«.
- 3 Display the software information by pressing »OK«.





















GDP 3564 16/08/05 V:1.00

# TELEVISION REMOTE CONTROL

You can also operate GRUNDIG televisions with this remote control. The functions available to you depend on the model of the GRUNDIG television.

Point the remote control directly at the TV.



- TV**  Switches the remote control to television operation. To do this, press and hold down »TV« then press the relevant button for the desired function.
-  Switches off the television set (stand-by).
- 1 ... 0**  Switches the television on from standby mode. Selects the television channel directly.  
»0« Selects the preset stations»1-9«.  
In teletext mode: for entering the three-figure page number.
-  Picture in picture.
-  Calls up the "Picture Format" menu.
-  Calls up the concise TV help menu.
-  Switches the sound on or off (mute).
- i**  Calls up the "DIALOG CENTER" or switches to menu operation.
-  Switches between the two most recently selected channels (zapping).
-  Volume setting, »◀◀ lower, ▶▶ higher.  
In menu mode: »◀◀ cursor left, ▶▶ cursor right.
- OK**  Activates functions, calls up data, confirms and saves data.
-  Select TV channels, »▲« up, »▼« down.  
In menu mode: »▲« cursor up, »▼« cursor down.
- TXT**  Switches from TV mode to teletext mode and back.
- TV-G Title**  Switches the TV Guide on and off.
-  In teletext mode: Returns to the previous page.
-  In teletext mode: Advances to the next page.
-  In teletext mode: Switches to the next topic.
-  In teletext mode: Switches to the next chapter.
-  Calls up the sound menu.
-  Call up the "Picture" menu.



# INFORMATION

## Technical data

This product fulfils the European directives 89/336/EEC, 73/23/EEC and 93/68/EEC. This device conforms to the safety regulation DIN EN 60065 and therefore the international safety regulation IEC 60065.

You may not open the DVD player. The manufacturer will not accept any liability for damage resulting from improper handling.

### Mains voltage:

100 – 240 V ~, 50/60 Hz

### Power consumption:

Stand-by: approx. 1 W  
Operating: approx. 15 W

### Ambient temperature:

+10°C to +35°C

### Playback standard:

PAL, 50 Hz, 625 lines  
NTSC, 60 Hz, 525 lines

### Disc formats:

DVD R, DVD RW, CD R, CD RW

### Media formats:

DVD video, audio CD,  
video CD (VCD 1.0/1.1/2.0), S-Video CD,  
CD ROM (DivX<sup>®</sup>Video, Nero Digital<sup>™</sup>, MP3,  
WMA, JPEG, Kodak Picture CD)

### Laser:

Semiconductor laser  
Wavelength 650 nm for DVD  
Wavelength 780 nm for CD

### Audio format:

Digital: MPEG2/Dolby Digital, PCM, DTS

Analogue: Stereo sound, Dolby Prologic

### Audio:

Signal: Analogue  
DVD: 48/96 kHz 4 Hz-22/44 kHz  
Video CD: 44.1 kHz 20 Hz-20 kHz  
Audio CD: 44.1 kHz 20 Hz-20 kHz

### Signal-to-noise ratio

(at 1 kHz): ≥ 90 dB

### Sound volume

(at 1 kHz): ≥ 60 dB

### Dimensions and weight:

Dimensions:  
W x H x L 430 x 43 x 257 mm  
Weight approx. 2.2 kg

# INFORMATION

**CLASS 1  
LASER PRODUCT**



## General instructions for laser devices

Your system is a CLASS 1 LASER PRODUCT. This means that the laser is designed in such a way as to ensure that the maximum permissible emission value cannot be exceeded under any circumstances.

### Caution:

If operating devices or methods other than those specified here are employed, it may lead to dangerous exposure to emissions.

This device emits laser radiation. Because of the danger of eye injuries, the unit may only be opened or serviced by trained personnel.

If settings other than those specified here are employed or OTHER PROCEDURES are carried out, this may lead to dangerous radiation exposure.

This product contains components which are covered by certain U.S. patents or for other reasons are considered intellectual property of the Macrovision Corporation and other proprietors. Use of this protected technology must be approved by the Macrovision Company and is only permissible for private presentation at home or for other limited applications, where no special permission has been granted by Macrovision. Reproduction or disassembly of the device is prohibited.

Manufactured with permission from Dolby Laboratories. The "Dolby" label and the double-D logo "DD" are trademarks of Dolby Laboratories. Confidential unpublished material.  
©1992-1997 Dolby Laboratories, Inc. All rights reserved.

During playback of DTS-coded CDs and DVDs, a high noise level is produced at the analogue stereo outputs. In order to avoid possible damage to the audio system, the user should take appropriate preventive measures when the stereo outputs of the DVD player are connected to an amplification system. For DTS Digital Surround playback, an external 5.1-channel DTS Digital Surround decoder must be connected to the digital output (S/PDIF) of the DVD player.

DTS and DTS Digital Out are trademarks of Digital Theater Systems, Inc. All rights reserved.

# INFORMATION

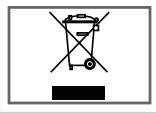
## Troubleshooting

Not every picture or sound problem is caused by a defect in your DVD player. Impairment can also be caused by leads having been accidentally pulled out, damaged DVDs/CDs and worn-out batteries in the remote control. If the following measures do not do not rectify the problem, consult an authorised dealer.

DVD R/RWs in DVD video format, as well as CD Rs and CD RWs in CD-DA and MP3 format can be played. Due to the difference in quality of the recording media and the quality of the recording itself, it can occasionally happen that a home-made DVD or CD cannot be read. This does not indicate a malfunction of the DVD player.

Problem	Possible cause/remedy
DVD player does not respond to the remote control	Point the remote control directly at the DVD player.
	Remove all obstacles which may interfere with the path of the remote control signal.
	Check or replace the remote control batteries.
The disc tray will not open, Picture/sound problems	Using the mains switch, switch the DVD player »ON/OFF« off and on again.
No picture Distorted image	Check the video connection.
	Make sure that there are no fingerprints on the DVD/CD, follow the cleaning instructions on this page.
No colour with a EURO-AV connection	Ensure that the video output of the DVD player is set to »RGB« (see page 15).
No picture with an S-Video connection	Ensure that the video output of the DVD player is set to »S-Video« (see page 15).
The DVD/CD cannot be played	Check if the label on the DVD/CD is facing upwards.
	Clean the DVD/CD.
	Check if the DVD/CD is damaged by testing out another DVD/CD.
No sound	Check the audio connections.
	Try another playback source.
	Use an external decoder for DTS audio formats.
No sound at the digital output	The scanning rate was set to 96 kHz. Set the scanning rate to 48 kHz as described on page 39.
Distorted sound from the HiFi system	Ensure that the audio connections have not been connected to the phono input on the amplifier.
You have lost or forgotten your personal	Open the child lock with the master code – »3308« identity number (see page 40).

## INFORMATION



### Cleaning discs

Wipe the dirty disc with a cloth from the centre outwards in a straight line.

Do not use any solvents such as benzene, thinners, conventional cleaner or anti-static spray for vinyl records.

### Software information

We wish to point out explicitly that only operating software authorised by GRUNDIG is permissible for the DVD player. This operating software is available from specialist dealers or will be available shortly on the Grundig web sites [www.grundig.com](http://www.grundig.com) and [www.grundig.de](http://www.grundig.de). Any instance of operating software from a dubious Internet source being loaded to the device will impair functioning and also, since it is an unauthorised intervention, invalidate any claims under the guarantee.

GRUNDIG will refuse to refund any costs resulting in such cases. Any repair costs in such cases, even those occurring within the guarantee period, are to be paid by the customer.

### Environmental note

This product has been made from high-quality parts and materials which can be re-used and recycled.

Therefore, do not throw the product away with normal household waste at the end of its life. Take it to a collection point for recycling electrical and electronic devices. This is indicated by this symbol on the product, in the operating manual and on the packaging.

Please find out about collection points operated by your local authority.

Help protect the environment by recycling used products.



## INFORMATION

### **Additional Information for units sold in the UK.**

Units sold in the UK are suitable for operation from a 240V ac, 50Hz mains supply.

The range of multi-system receivers is built to work in most European countries. However, the mains plug and socket system for the UK differs from many European countries.

This appliance has been supplied with a fitted, non-removable, approved converter plug for use in the UK. This converter plug is fitted with a 5A rated fuse.

In case this appliance is supplied with a moulded 2-pin Euro plug only, which is unsuitable for UK operation, this must be cut off and immediately disposed of. An approved 13A, 3-pin UK plug should then be fitted by a qualified electrician.

#### **Note:**

The severed Euro plug must be destroyed to avoid a possible shock hazard should it be inserted into a socket elsewhere.

If a non-rewireable 3-pin plug or a rewireable 13A (BS1363) 3-pin plug is used, it must be fitted with a 5A ASTA or BSI approved BS1362 fuse. If any other type of plug is used it must be protected by a 5A fuse either in the plug, or at the distribution board. If this type of plug becomes defective, ensure that the fuse is removed before disposal, to eliminate potential shock hazard.

If it is necessary to change the fuse in the non-rewireable plug, the correct type and rating (5A ASTA or BSI approved BS1362) must be used and the fuse cover must be refitted. If the fuse cover is lost or damaged, the lead and plug must not be used until a replacement is obtained. Replacement fuse covers should be obtained from your dealer.

#### **Important:**

The wires in the mains lead are colour coded in accordance with the following code:

BLUE – NEUTRAL

BROWN – LIVE

As the colours of the wires in the mains lead of your appliance may not correspond with the coloured marking identifying terminals in your plug, proceed as follows:

Connect the BLUE coloured wire to plug terminal marked with the letter "N" or coloured black.

Connect the BROWN coloured wire to the plug terminal marked with the letter "L" or coloured red.

In no circumstance must any of the wires be connected to the terminal marked with the letter "E", earth symbol "⏏", coloured green, or green & yellow.

